Declaration of Readiness for Meaningful Use Stage 2

North Dakota Immunization Information System (NDIIS)

Technical Capacity for Interoperability with the NDIIS

The NDIIS requires that provider electronic health record (EHR) systems demonstrate the ability to transmit HL7 2.5.1 version 1.4 messages. Within the OBX segment of the HL7 message, providers must be able to send dose-level Vaccines For Children (VFC) eligibility and vaccine funding source. The preferred method of transport for the HL7 messages is SOAP/HTTPS for bidirectional, real time transmission. It is also recommended that EHRs have the capacity for query/response

Testing to certify for Meaningful Use Stage 1 or to begin the initial interest process will be conducted using the NDIIS interoperability automated testing site to submit a version 2.5.1 HL7 message. Provider EHRs must utilize the automated testing site for initial analysis of their HL7 message and must then prove that they can successfully submit a valid HL7 message to the automated testing site prior to engaging in more in depth testing with the NDIIS interoperability project team.

The automated test site can be accessed from the following link:
https://meaningfuluse.bcbsnd.com/meanuse/meanuse.aspx

HL7 Specifications for NDIIS interoperability with EHRs are available at:
www.ndhealth.gov/Immunize/Interop/

Interoperability Component	NDIIS Requirement
Method of Transport	SOAP/HTTPS
HL7 Message	2.5.1 version 1.4
Additional Requirements	Query/Response
	Dose-level VFC eligibility (OBX 5)
	Vaccine Funding Source (OBX 5)

Administrative Capacity for Interoperability with the NDIIS

North Dakota is currently working to determine volume and EHR readiness for immunization providers not associated with the state's five major health systems. Volume is based on the number of children younger than six years of age that belong to a given provider. EHR readiness is determined by the ability of the provider EHR to send HL7 2.5.1 version 1.4 messages via SOAP/HTTPS transport that includes both dose-level VFC eligibility as well as vaccine funding source. If a provider EHR does not meet the readiness requirements for the NDIIS connection, a lower volume provider may be moved up the list.

Providers interested in establishing a direct connection with the NDIIS must complete and electronically submit an NDIIS interoperability initial interest form at www.ndhealth.gov/disease/mu/MU.aspx.

The NDIIS will be connected to the North Dakota Health Information Network (NDHIN) by the end of 2013. Providers wishing to connect to the NDIIS who are not on track for a direct connection due to volume but are able to demonstrate EHR readiness are encouraged to pursue connectivity with the NDHIN which would then result in interoperability with the NDIIS.

Additional Information:

Additional information is available at www.ndhealth.gov/Immunize/Interop/ .

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